CAREFULLY READ THE INSTRUCTIONS PROVIDED, OBSERVE THE SIMPLE SAFETY PRECAUTIONS, AND YOU WILL HAVE MANY HOURS OF SATISFACTORY USE FROM YOUR NEW CRAFTSMAN TOOL.

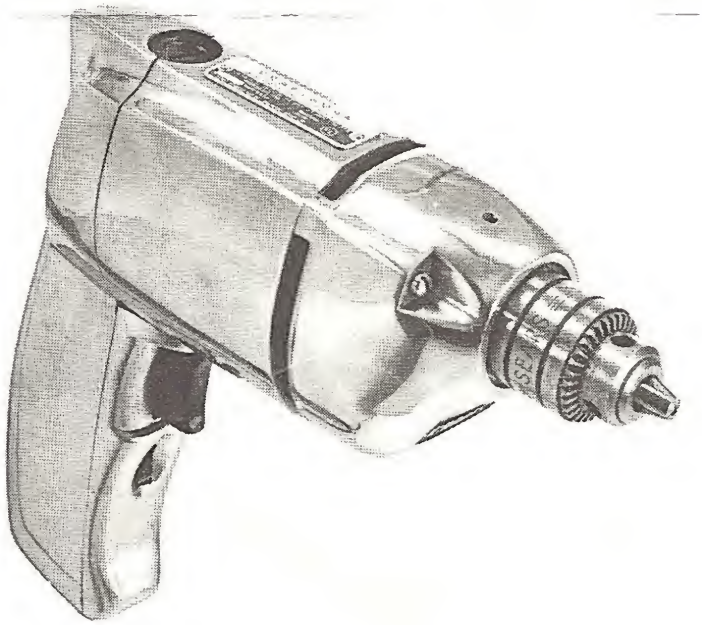
ASSEMBLY, OPERATING INSTRUCTIONS
AND PARTS LIST FOR

CRAFTSMAN

Reg Trade Mark

3/8 INCH REVERSIBLE ELECTRIC DRILL WITH SPEED TORQUE CONTROL

MODEL NUMBER 315.11250



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IN CANADA, SIMPSONS-SEARS LIMITED

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FORM NO. EN-467
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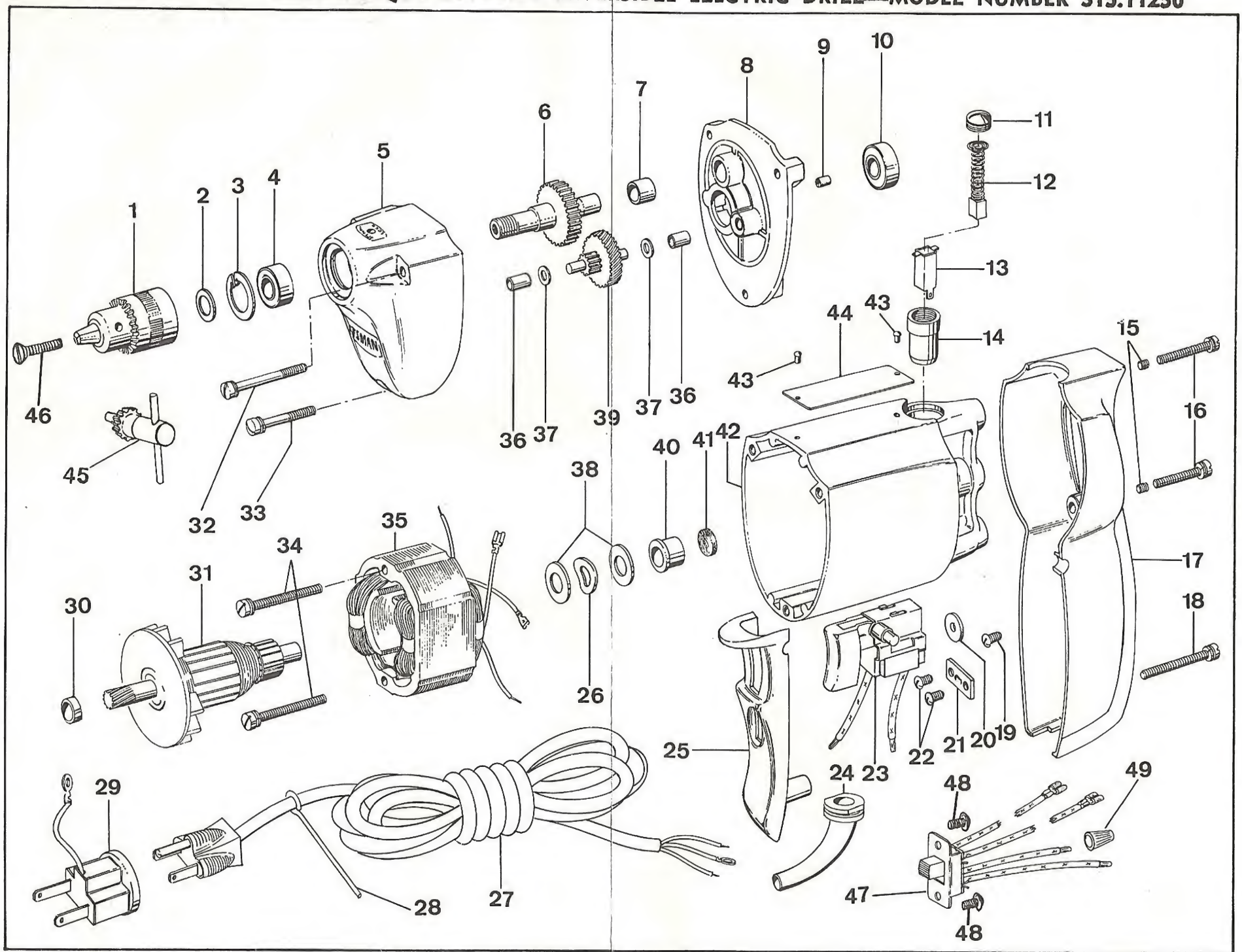
CRAFTSMAN 3/8" SPEED TORQUE CONTROL REVERSIBLE ELECTRIC DRILL—MODEL NUMBER 315.11250



FOR PARTS LIST — SEE PAGE 3

CRAFTSMAN 3/8" SPEED TORQUE CONTROL REVERSIBLE ELECTRIC DRILL
MODEL NUMBER 315.11250

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION

1. THE PART NUMBER
2. THE PART NAME
3. THE MODEL NUMBER—315.11250
4. THE NAME OF ITEM—3/8" REVERSIBLE ELECTRIC DRILL

DO NOT USE KEY NOS. WHEN ORDERING REPAIR PARTS. ALWAYS USE PART NUMBERS.

PARTS LIST

Key Number	Part Number	Description	Quan.
1	1-623261-00	3/8" Chuck	1
2	1-614927-02	Chuck Spacer	1
3	1-829994-00	Retaining Ring	1
4	1-621635-01	Ball Bearing	1
5	3-614338-04	Gear Housing (Includes Key # 36)	1
6	2-614364-01	Chuck Spindle & Gear Assembly	1
7	1-620597-00	Sleeve Bearing	1
8	3-614337-03	Gear Housing Cover (Includes Key 7, 36)	1
9	1-623019-01	Bearing Plug	1
10	1-740943-01	Ball Bearing	1
11	1-614008-01	Brush Cap	2
12	2-615322-01	Brush with Spring	2
13	2-623878-01	Brush Tube	2
14	2-623877-01	Brush Holder	2
15	1-930687-05	*Set Screw (#8-32x1/8 Hex Socket Headless)	2
16	1-703432-27	Screw (#8-32x5/8 Fil. Head)	2
17	4-614434-02	Handle	1
18	1-703432-55	Screw (#8-32x1" Fil. Head)	1
19	1-930993-01	Screw (#6-32x5/16 Pan Hd. T.C.)	1
20	1-623315-00	Switch Back-up Pad	1
21	1-623786-01	Cord Clamp Plate	1
22	1-930150-09	Screw (#6-20x3/8 Fil. Hd. T.F.)	2
23	2-624172-02	Switch	1
24	2-622824-01	Bend Relief	1
25	2-614724-02	Handle Cover	1
26	1-622347-05	Spring Washer	1
27	2-622897-01	Cord Complete	1
28	1-621230-00	Lock Pin	1
29	1-706875-00	Adapter (not supplied with Canadian tools)	1
30	1-713513-828	Armature Spacer	1
31	2-614342-01	Armature	1
32	1-623654-00	Screw (#8-32x1-7/8 Fil. Head)	2
33	1-703432-30	Screw (#8-32x7/8 Fil. Head)	1
34	1-703432-948	Screw (#8-32x1-5/8 Fil. Head)	2
35	3-614339-01	Field Core Complete	1
36	1-620413-00	Sleeve Bearing	2
37	1-931055-12	Washer	2
38	1-703493-804	Washer	2
39	3-623192-01	Intermediate Gear & Pinion w/Shaft	1
40	1-620613-00	Flange Bearing	1
41	1-703475-00	Felt Disc	1
42	4-614336-03	Motor Housing (Includes Key 40, 41)	1
43	1-795247-06	Drive Screw	2
44	1-614420-01	Nameplate	1
45	1-623262-00	Chuck Key	1
46	1-614453-03	Screw—Special Flat Hd. (L.H. Threads)	1
47	1-614446-03	Slide Switch	1
48	1-930150-802	Screw (#6-20x1/4 Fil. Hd. T.F.)	2
49	1-623173-01	Wire Connecter	4
	EN-467	Instruction Sheet	

For Illustration — See Page 2

CRAFTSMAN 3/8" SPEED TORQUE CONTROL REVERSIBLE ELECTRIC DRILL

MODEL NUMBER 315.11250

CUSTOMER DO'S AND DON'TS

1. **DO** be sure that the voltage of the power supply agrees with the name plate marking on the tool.
2. **DO** insert drill bits into the chuck the full length of the jaws.
3. **DO remove power cord from receptacle before removing chuck, changing bits or doing maintenance work on drill.**
4. **DO** replace both brushes when either is worn to about ¼ inch in length.
5. **DO** remove drill from work whenever it is quite warm and run at no-load speed to cool it off.
6. **DO** use light oil on drill bits to prevent overheating when drilling metal.
7. **DO** drill small pilot hole first when drilling holes 3/8" or larger in metals.
8. **DO depress switch further to acquire correct speed if drill tends to stall.**

1. **DON'T** overload drill so that it slows down to the point of over heating and stalling.
2. **DON'T** use an auger bit (screw pointed)—use types which must be pressure fed.
3. **DON'T** use a twist drill larger than the capacity the chuck indicates.
4. **DON'T** use drill as a router or try to elongate a hole by twisting the bit.
5. **DON'T** use a wrench to tighten the chuck.
6. **DON'T** use drill to drive too large a tool such as a large grindstone.
7. **DON'T** use dull or improperly ground drill bits .
8. **DON'T** support weight of drill with drill bit when drilling horizontally.

REPAIR SERVICE AND PARTS—All fine tools, on occasion, may require service or the replacement of parts due to wear from normal use. To prolong the life of your tool when repairs are needed, call on your nearest Sears Catalog Order or Retail Store. Please don't risk possible additional cost or damage to the tool through inexperienced repairs. Sears Servicemen are factory trained.

WARNING: Disassembly of this unit can result in dangerous electrical hazards if any leads (wires) are pinched against metal surfaces when unit is reassembled.

BRUSH REPLACEMENT

IMPORTANT—Periodically check the brushes for wear and replace both brushes when either is worn to about ¼ inch in length. To check length of brushes they must be removed from tool (see instructions below). Replacement of these relatively inexpensive parts, when necessary, will keep your tool operating more efficiently and prolong the life of the motor.

To replace carbon brushes (Key #12) remove two handle fastening screws (Key #16) and slide back handle to expose lower brush cap. The upper brush cap is readily accessible from the top of the drill. Unscrew brush cap (Key #11) and remove old brush and spring. Replace both brushes making sure when inserting that curvature of brush matches curvature of the surface of the motor to which it is mated. Make sure that the brushes move freely in holder.

OPERATION OF DRILL—The speed of your drill is controlled by the amount of switch trigger depression.

The slower speeds are used for starting holes without center punching and skipping, for mixing paints and drilling ceramics and other applications where minimum power is required.

The medium speeds are used for increased power in drilling ferrous metals, plastics and laminates.

Maximum speed and power is used in drilling wood and driving accessories. This speed should also be used for drilling non-ferrous metals such as aluminum. The switch may be locked "ON" at maximum speed.

At the slower speeds under constant prolonged usage, the drill may become overheated. If this occurs; run it at no load at maximum speed to cool the unit. The drill will cool faster by running than by stopping it.

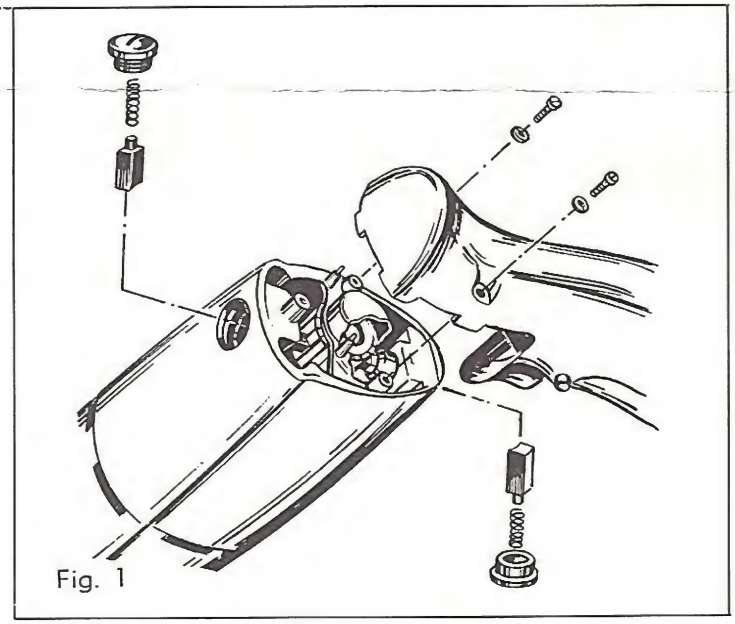


Fig. 1

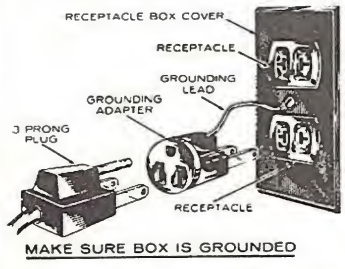
CAUTION—When Electric Tools are used on fiberglass boats, sports cars, etc., it has been found that they are subject to accelerated wear and possible premature failure, as the fiberglass chips and grindings are highly abrasive to Bearings, Brushes, Commutator, etc. Consequently it is not recommended that this tool be used for continuous production work on any fiberglass material. During any use on fiberglass it is extremely important that the tool is cleaned frequently by blowing with an air jet.

LUBRICATION—All of the bearings in this tool are lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions, therefore, no further lubrication is required.

CRAFTSMAN 3/8" SPEED TORQUE CONTROL REVERSIBLE ELECTRIC DRILL
MODEL NUMBER 315.11250

CAUTION

GROUNDING—This tool is equipped with an Underwriters' Laboratories approved 3 prong plug for your safety. If your outlet is a grounded 3-cavity type, your tool will be grounded automatically.



Since many receptacle boxes in present construction will not have 3 - cavity receptacles, an *adapter is packed with this tool. Make sure grounding lead is firmly attached to a **grounded receptacle** box as shown above, before attempting to operate tool.

Extension cords should also be 3-wire.

*(Not used in Canada)

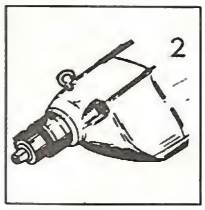
EXTENSION CORDS—The use of any extension cord will cause some loss of power. To keep this to a minimum and to prevent over-heating and motor burn-out, use the table below to determine the MINIMUM wire size (A.W.G.) Extension Cord.

Extension Cord Length	Wire Size A.W.G.
25-100 Feet	16
100-200 Feet	14

SWITCHES—A trigger switch controls "ON-OFF" operation of the drill. The trigger switch may be locked in the "ON" position by depressing the locking button. The trigger lock is convenient when drilling soft woods or soft metals. Do not lock the trigger on heavy jobs where the drill may have to be stopped quickly.

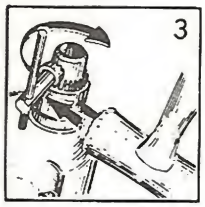
The holes in this switch which accept the lead wires are fitted with spring gripper arms which permit entry of leads but prevent them from being pulled out. To withdraw the leads from the switch, insert a small pin(about the size of a paper clip) into the switch hole to release tension on the gripper arm. Move the pin around the hole until wire can be pulled out (See Fig. 6 and 7). When installing wires in a new switch be sure the end of the bare wire is straight. Note that there is a coating of solder over the exposed end of the switch wires. If necessary, the coating can be renewed by heating the wire with a soldering iron and applying a small amount of solder to the end of the wire.

CHUCK REMOVAL



A. Disconnect drill from power source

B. Insert the lock pin into the gear housing spindle lock hole. Rotate the chuck slowly to insure that lock pin engages hole in spindle shaft. See Figure 2.



C. Insert chuck key in chuck and tap it sharply with a soft mallet in a clock-wise direction, as shown in Figure 3. This tends to loosen chuck screw.

D. Open chuck jaws wide and remove chuck screw by turning it clock wise. This screw has a left hand thread. See Fig. 4.

E. Again insert chuck key in chuck, but this time tap it in a counter-clock-wise direction to loosen as shown in Figure 5. Chuck can then be unscrewed by hand.

REVERSING—This drill has the unique feature of being reversible. The rotational direction is controlled by a slide switch located directly below the trigger switch. When this switch is in the DOWN position the drill runs in its normal drilling direction. The drill direction is reversed when the switch is in the UP position. THE DIRECTION MUST NOT BE CHANGED WHILE THE TOOL IS RUNNING but only after the trigger switch is released and the drill has stopped.

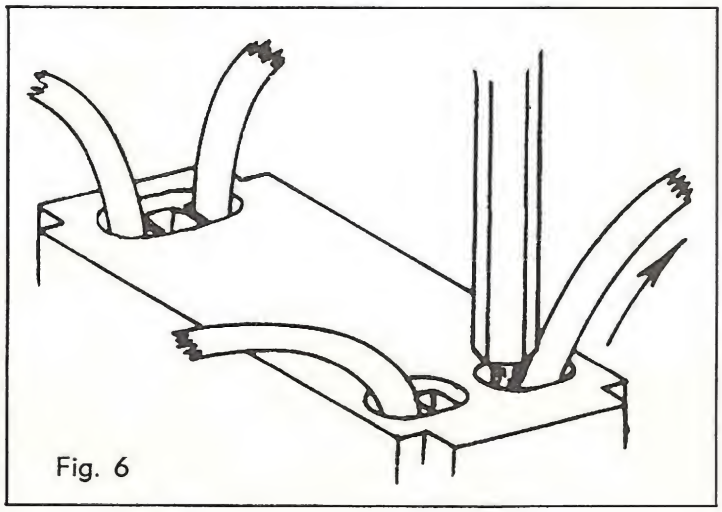


Fig. 6

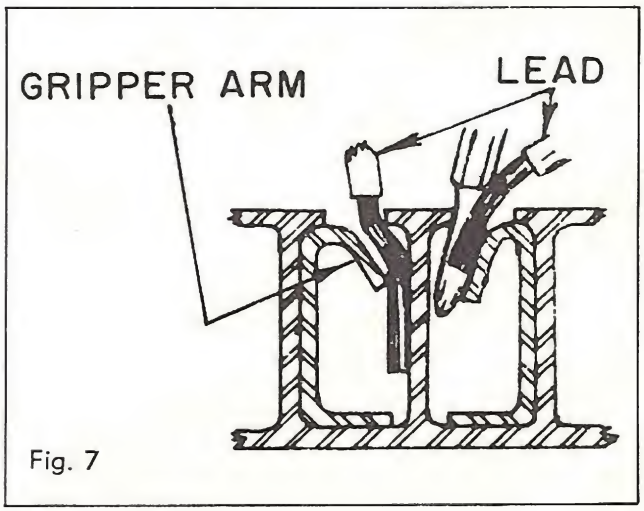


Fig. 7

CRAFTSMAN

Reg. Trade Mark

CRAFTSMAN 3/8" SPEED TORQUE CONTROL REVERSIBLE ELECTRIC DRILL
MODEL NUMBER 315.11250

The Model Number will be found on a plate located on top of the Motor Housing. Always mention the Model Number in all correspondence regarding the CRAFTSMAN 3/8 INCH ELECTRIC DRILL or when ordering repair parts.

HOW TO ORDER REPAIR PARTS

All parts listed herein may be ordered through SEARS, ROEBUCK AND CO. or SIMPSONS-SEARS LIMITED. When ordering parts by mail from the catalog order house which serves the territory in which you live, selling prices will be furnished on request or parts will be shipped at prevailing prices and you will be billed accordingly.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST:

1. The PART NUMBER
2. The PART NAME
3. The MODEL NUMBER—315.11250
4. The NAME of item—3/8" REVERSIBLE ELECTRIC DRILL

COAST TO COAST NATION-WIDE SERVICE FROM SEARS FOR YOUR CRAFTSMAN 3/8" ELECTRIC DRILL

PROTECTIVE Sears Care MAINTENANCE

SEARS, ROEBUCK AND CO. and SIMPSONS-SEARS LIMITED in Canada back up your investment with quick, expert mechanical service and genuine CRAFTSMAN replacement parts.

If and when you need repairs or service, call on us to protect your investment in this fine piece of equipment.

GUARANTEE: We guarantee all Craftsman portable electric tools to be free from defects in material and workmanship. When properly used, cared for, and maintained, we will replace or repair at our option, and install without cost to you, for a period of one (1) year from date of sale, any part which proves, upon our examination, to be defective under normal use.

The guarantee does not cover: burnouts due to low or improper voltage or from the tool being forced or otherwise improperly used; blades, cords or any other parts subjected to abuse; or tools used in rental service.

SEARS, ROEBUCK AND CO.